

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~The A mixture~~ including a carbon carrier for under-pressure carburizing, ~~employing hydrocarbons is characterized in that it contains the carbon carrier in the form of wherein the carbon carrier comprises~~ acetylene and ethylene in the ~~proportion a ratio of 0.55 to 2.0, where the said carbon carrier can be further mixed with other components modifying the carburizing process and wherein the mixture additionally comprises either hydrogen in a ratio from 0.7 to 1.6 to the carbon carrier or ammonia in a ratio from 0.7 to 5.0 to the carbon carrier.~~

2. (Currently Amended) The mixture for under-pressure carburizing according to claim 1, ~~is characterized in that it is beneficial and preferable to have the said hydrocarbons in wherein the proportion of acetylene to ethylene is from 0.55 to 1.0.~~

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (New) The mixture for under-pressure carburizing according to claim 1, wherein the mixture further includes additional components modifying the carburizing process.

7. (New) The mixture for under-pressure carburizing according to claim 6, wherein the additional components comprise chemically inert gases.

8. (New) The mixture for under-pressure carburizing according to claim 7, wherein the chemically inert gases comprise nitrogen or argon.